

Rapid Tester[®]

CERTIFICATE of ASSURANCE

Serial 113124



Model RT-01

Meets or Exceeds the Requirements of Test Standards:

- ASTM D 3278 Small Scale
- ASTM D 3828 Small Scale
- IP 303 Rapid Test
- ISO 3679 Rapid Equilibrium Method
- ISO 3680 Flash / No Flash Test
 - Rapid Equilibrium Method



Model RT-02

Meets or Exceeds the Requirement of Test Standards:

- ASTM D 4206 Small Scale Combustibility Test
- ISO 9038

RT-15034-2

Operational Characteristics

This instrument has been operated and tested prior to shipment. Operating characteristics are recoded and permanently maintained by ERDCO for your assurance of consistent function and compliance with regulatory requirements.

1. Primary Voltage

- ☒ 120 \pm 10% v, 60 Hz
☐ 240 \pm 10% v, 50 Hz

2. Timer Operation

- ☐ 1 minute ($60 \pm 1_0$ seconds) for tests to 212°F / 100°C
☐ 2 minute ($120 \pm 1_0$ seconds) for tests to 212°F / 100°C to 572°F / 300°C

3. Pilot and Test Flame Operation

- ☐ The pilot flame, test flame and their respective adjustments operate satisfactorily.

4. Temperature Change Rate

Ambient Temperature 76.6 °F / °C

Final Temperature 103.9 °F / °C

Temperature change Rate 7 °F per minute = $\frac{\text{Final Temperature} - \text{Ambient Temperature}}{\text{Time (minutes) to Reach Final Temperature}}$
(must exceed 7°F per minute for new instruments)

5. Maximum Instrument Temperature

- ☐ 572°F / 300°C

6. Temperature Control

- A. Temperature regulation is tested and recorded. The temperature regulation² is measured by data points recorded over time. Instruments are required to maintain equilibrium temperature in a draft free area within $\pm 0.5^\circ\text{C}$ ($\pm 1^\circ\text{F}$). For your assurance, compare the actual deviation regulation to this requirement.

Temperature $\pm^\circ\text{F}/^\circ\text{C}$	Deviation $\pm^\circ\text{F}/^\circ\text{C}$
300°F	+1.3 - .1
140°F	+1.1 - .2

- B. The temperature stability test¹ is performed at an operating temperature of 300° \pm 25°F (Model RT-01) or 170° \pm 25°F (Model RT-02). After temperature stabilizes at level specified, no further control adjustment is allowed.

Sequence	Date	Time	Temperature
Starting	8-4	11:30	300°F / °C
Ending	8-5	11:30	303.1°F / °C

24 Hours Elapsed

Tested by:

Flood

Date:

8-5-11

Limited Warranty

New instruments are warranted by ERDCO against defects in materials and workmanship for one year and will be repaired or replaced at its option. Repair parts and labor are warranted for 90 days. Warranties are exclusive of shipping charges, consumable components, or misuse.

¹Measured with a mercury-in-glass thermometer inserted into the cup thermometer well.

²Measured with a thermocouple inserted into the cup thermometer well.